

CLAIM AMENDMENTS

LISTING OF CLAIMS

This listing of claims replaces all previous listings in the application. The amendments in the listing introduce no new matter.

1 (Currently Amended). A method of testing a human patient for attention deficit hyperactivity disorder (ADHD) status, the method comprising ~~the steps of~~ :

testing for the presence of a marker having a locus within a block of linkage disequilibrium surrounding ~~the~~ a DRD4 7R allele in the patient, and

evaluating the level of dopamine release in the patient in response to a stimulus wherein presence or absence of the DRD4 7R allele and the level of dopamine release in response to the stimulus together provide an indication of the patient's ADHD status .

2 (Original). The method of claim 1, wherein the level of dopamine is evaluated using imaging of the brain.

3 (Original). The method of claim 1, wherein the stimulus is exercise.

4 (Original). The method of claim 1, wherein the level of dopamine release is measured in a body fluid of the patient.

5 (Original). The method of claim 4, wherein the body fluid is selected from the list consisting of blood, urine and saliva.

6 (Currently Amended). The method of claim 1, wherein the marker ~~corresponds to the~~ comprises the DRD4 7R allele.

7- 8 (Cancelled).